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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

03/29/2004

McDermott, Will & Emery 600 13th Street, N.W. Washington, DC 20005-3096

EXAMINER

QUACH, TUAN N

ART UNIT PAPER NUMBER

DATE MAILED: 03/29/2004

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/971,958 10/09/2001 Motoshige Igarashi 50090-447 4102

TITLE OF INVENTION: SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	06/29/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (703) 746-4000

appropriate. All further c indicated unless corrected maintenance fee notificati	d below or directed otherwise i	mitting the ISSUI atent, advance ord in Block 1, by (a)	E FEE and PUBLIC lers and notification specifying a new c	CATION FEE (if required of maintenance fees orrespondence address	uired). Blocks 1 through 4 s will be mailed to the current s; and/or (b) indicating a sepa	hould be completed where correspondence address as arate "FEE ADDRESS" for	
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McDermott, Will & Emery 600 13th Street, N.W. Washington, DC 20005-3096				Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.			
						(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE	F	FIRST NAMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
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APPLN, TYPE	SEMICONDUCTOR DEVICE	ISSUE FE	,	JBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
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	H, TUAN N nce address or indication of "Fee	2814		257-344000			
Address form PTO/SB. "Fee Address" indic: PTO/SB/47; Rev 03-02 Number is required.	ation (or "Fee Address" Indication (or more recent) attached. Use	on form of a Customer	firm (having as a agent) and the na attorneys or agen will be printed.	atively, (2) the name member a registered mes of up to 2 regists. If no name is liste	attorney or 2		
	ND RESIDENCE DATA TO BE ss an assignee is identified belo tted to the USPTO or is being su NEE	ow, no assignee da ibmitted under sep	ata will appear on the parate cover. Comple	•• /		ate when an assignment has ignment.	
Please check the appropria	ate assignee category or categori	ies (will not be pri	nted on the patent):	🔾 individual 🗘	corporation or other private gr	roup entity	
4a. The following fee(s) a	re enclosed:	4b.	Payment of Fee(s):		<u>, , , , , , , , , , , , , , , , , , , </u>	, , ,	
☐ Issue Fee				ount of the fee(s) is en			
☐ Publication Fee ☐ Advance Order - # of Copies			☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to				
			Deposit Account Nu	mber	(enclose an extra c	opy of this form).	
Director for Patents is req	uested to apply the Issue Fee and	d Publication Fee	(if any) or to re-apply	any previously paid	issue fee to the application ide	entified above.	
(Authorized Signature)		(Date)					
interest as shown by the	and Publication Fee (if required t; a registered attorney or age records of the United States Pat	nt; or the assigne ent and Trademarl	e or other party in coffice.				
suggestions for reducing Patent and Trademark 22313-1450. DO NOT SEND TO: Commission	nation is required by 37 CFR it by the public which is to fill lity is governed by 35 U.S.C. 12 nutes to complete, including gat orm to the USPTO. Time will in the amount of time you reg this burden, should be sent to Office, U.S. Department o SEND FEES OR COMPLET er for Patents, Alexandria, Virgi Reduction Act of 1995, no per unless it displays a valid OMB	the Chief Inform f Commerce, Al ED FORMS TO inia 22313-1450.	e this form and/or nation Officer, U.S. lexandria, Virginia THIS ADDRESS.				



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/971,958	10/09/2001	Motoshige Igarashi	50090-447	4102
7:	590 03/29/2004		EXAM	INER
McDermott, Will & Emery 600 13th Street, N.W.			QUACH, TUAN N	
Washington, DC 20			. ART UNIT	PAPER NUMBER
3 ,			2814	
			DATE MAILED: 03/29/200	4

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)			
Notice of Allamability	09/971,958	IGARASHI ET AL.			
Notice of Allowability	Examiner	Art Unit			
	Tuan Quach	2814			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.					
1. X This communication is responsive to <u>amendment filed January</u>	uary 12, 2004.				
2. The allowed claim(s) is/are <u>4-11</u> .					
3. A The drawings filed on 10 October 2001 are accepted by the	e Examiner.				
 3. ☑ The drawings filed on 10 October 2001 are accepted by the Examiner. 4. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☑ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 					
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Da 08), 7. ☑ Examiner's Amendr	te			

Application/Control Number: 09/971,958

Art Unit: 2814

EXAMINER'S AMENDMENT AND REASONS FOR ALLOWANCE

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

This application is in condition for allowance except for the presence of claims 12-20 to an invention non-elected without traverse. Accordingly, claims 12-20 have been cancelled.

The following is an examiner's statement of reasons for allowance:

Claims 4-11 are allowed primarily because the prior art of record do not teach all the claimed limitations in independent claims 5-7. The prior art of record including Akamatsu and Yu or Mori and Wolf do not explicitly teach or suggest the necessary combination required to meet all the claimed limitations in claims 5 and 6 including the limitations in claim 5 lines 5-14 and in claim 6 lines 5-13 regarding the first insulating and second insulating films as characterized. The prior art of record including Akamatsu and Yu or Mori do not explicitly teach or suggest the necessary combination required to meet all the claimed limitations in claim 7 including the limitations in claim 7 lines 5-11 regarding the first insulating and the second insulating film as characterized.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Quach whose telephone number (571)272-1717. The examiner can normally be reached on M - F from 8 to 4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Wael Fahmy can be reached on (571)272-1705. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571)272-1562.

Tuan Quach Primary Examiner